

Bill Carithers

1. Personal stake: I work on IceCube and thus am primarily interested in ultra-high energy neutrinos as “messengers” from potential astrophysical point sources.

2. Guess for future direction

Superbeam(s), maybe even muon storage ring as neutrino factory

- Over the next 4-5 years, the OMB may start to say very publicly what it has already been saying obliquely that $\geq 2-3$ B\$ for LC, or any new construction for that matter, just isn't going to happen. Can't you guys do something useful for about 400 M\$? Enter the Proton Driver.**
- Replacing the Booster is the next logical step in increasing Fermilab utilization, Main Injector notwithstanding.**
- Look at the history of US-Japanese collaboration on big new projects**

3. Conclusion: Use the next round of experiments [Kamland, K2K, Boone(s), MINOS] to map general landscape then design the beams and experiments for 10-20 years of mapping out neutrino mixing matrix, including CP violation.